JUL 0 1 2003 P.

\\HBW\_MAIN\DATA\Patents\S's\SUN6 500-\SUN1P50...

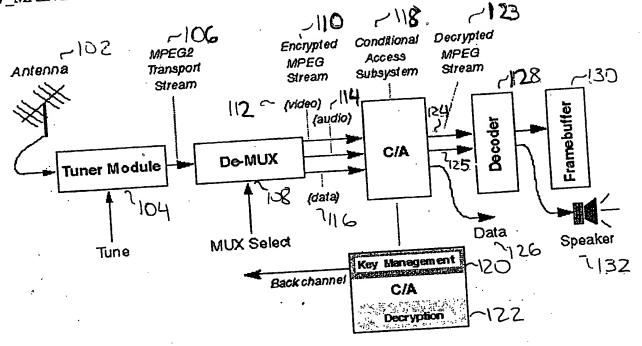
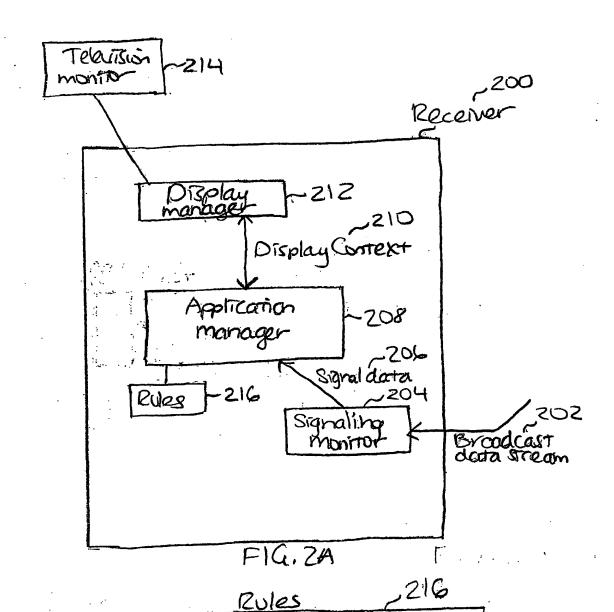


FIG. 1

JUL 0 7 2003 P.



218—1. Application Manager manages one or more applications

220—2. Only one application can be active at a time

222—3. Only one application can be displayed at a time

224 - 4. Only active applications are displayed

FIG. 28

TOPS ... :



## Signal Data ~302

App-present in-data-stream; BULEAN -304 Locertion (e.g., directory, filename) ~306 Authentication ~308 Permissions ~310



Application

Manager

400-BO 0-400-D

Application context 1 ST ~ 402

Application context 1 D~404-A

HOUB Application context 2 D~404-FIG, 4A

400-B Application context 3 D~404-C

HOUB Application context 3 D~404-C

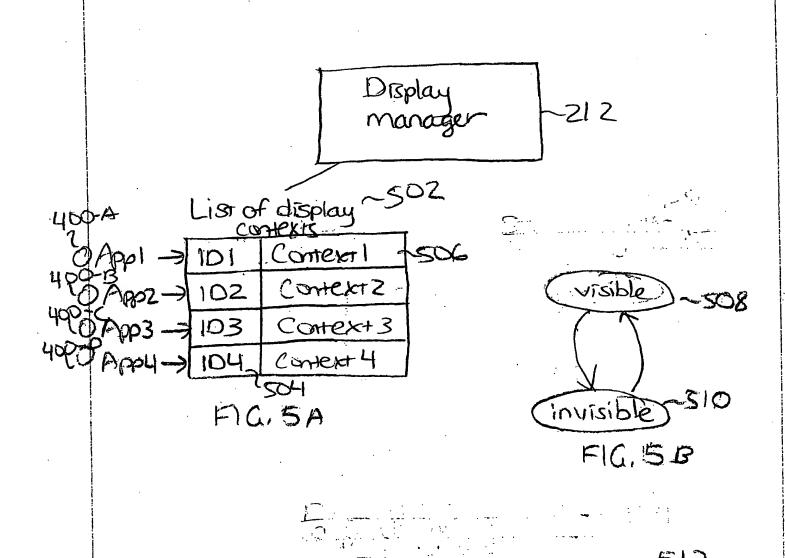
HOUB Application context 4 D~404-D

Application Context A-404

		ı
Class loader identifier	406	
Signal data identifier	408	
Display context identifier	410	
Application identifier	412	
Application environment Object	+ 414	
Current application state	416	

FIG. 4B





516 - Application state Active Paused
514 - Display store Visible Invisible

FIG, 5C

TOPS ...



Application manager Application Application manager calls 606 Application constants Application acrive 604 Application Application poused Application minager of application sold Application 603 Application manager manager or application Application application calls alls destroc destroyed (desiroy /desiroged) destrojed



## Application Programming Interface (APS)

Interface application {

Fig. 408

POH ~ public void init application (Application environment env)

708 ~ public void start application ()

710 ~ public void pause application (budean unconditional);

712 ~ public void destroy application (budean unconditional);

3

JUL 0 7 2003 A

## Applicationenmomaplimerface

Interface Apolication-environment {

804 ~ public void desinged();

808 ~ public java.lang.obje + getproperty (stringle)

806 ~ public void paused();

812 ~ public void resumer equest ();



**43.0** 

Application 102
Application 102
Call Intr application () = 906
Call stave application () = 910

Call Pause application () = 912

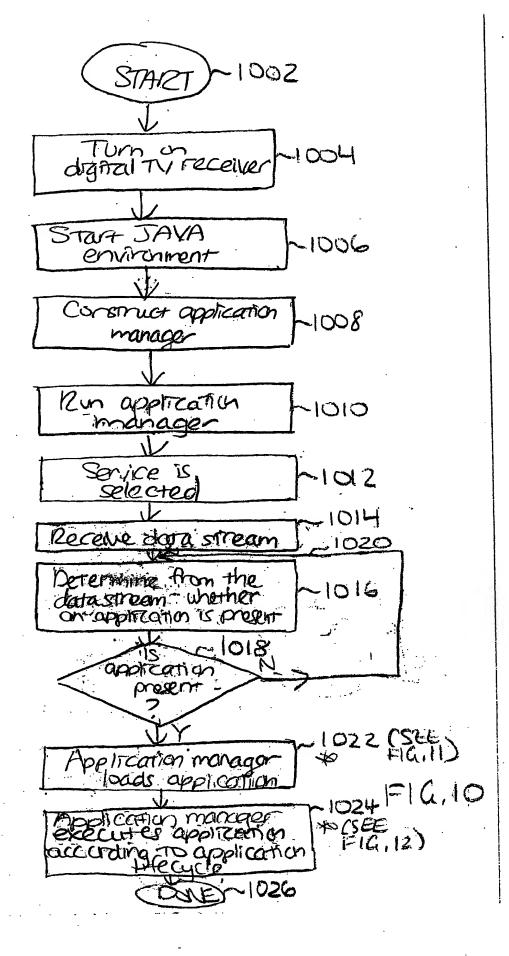
914 ~ (Application-environment application distroyed)

916 ~ (Application-environment application distroyed)

918 ~ (Application-environment resume request () = 920 ~ (Application-environment, getpoperty ()

F10.9





TOPS 35500 (

JUL 0 7 2003 PS

@1022 phrations er loods 1102 application Recove Signal dota identifying the -1104 1106 contekt Application manager creates class loader for the application -1108 Classes are leaded via the class leader -1110 Everete instance of application polication enters -1114 Cod in Alice Application-hoancider -1116 ceres instance of application environment Cottant 1 -1118 ritialize the polication environment bleet for the

FIQ, IT

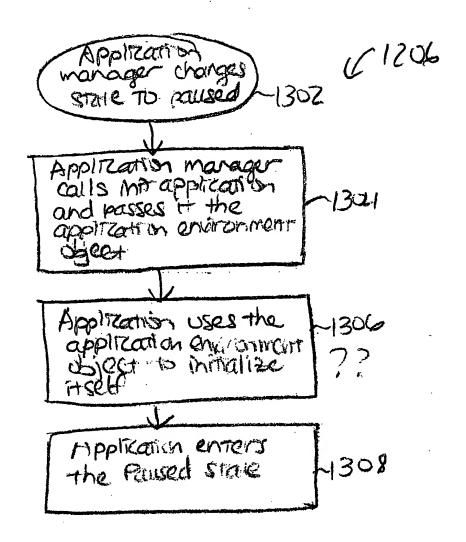
TOPS 🚭

JUL 0 7 2003 R EXTE TRADE 1024 Application manager executes 1202 application application waits 1204 1206 Application manager (SEE F14.13) change the application \_1208 # charges the applications 1210 1212 Application or application manager Application or cappilization manage application state 10 saused 1214 las bader unibads dases =1216 Application CONTRACT released

F16,12

TOPS ::: 35500 \*





FIG, 13



Mem program begins a state to 1402

New program begins a surface of the televisions remove the application than stands altronomically states

Application manager calls start application reprod for the application reprod for the application of the application o

FIGILY



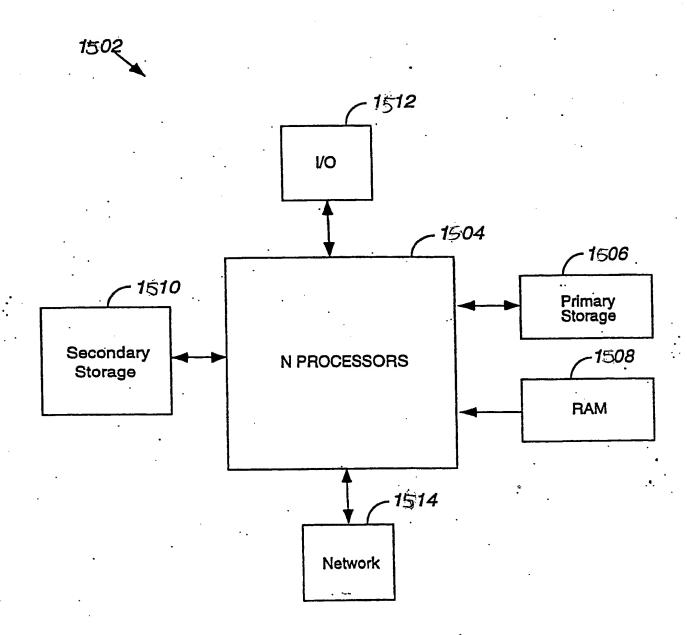


Figure 15.